

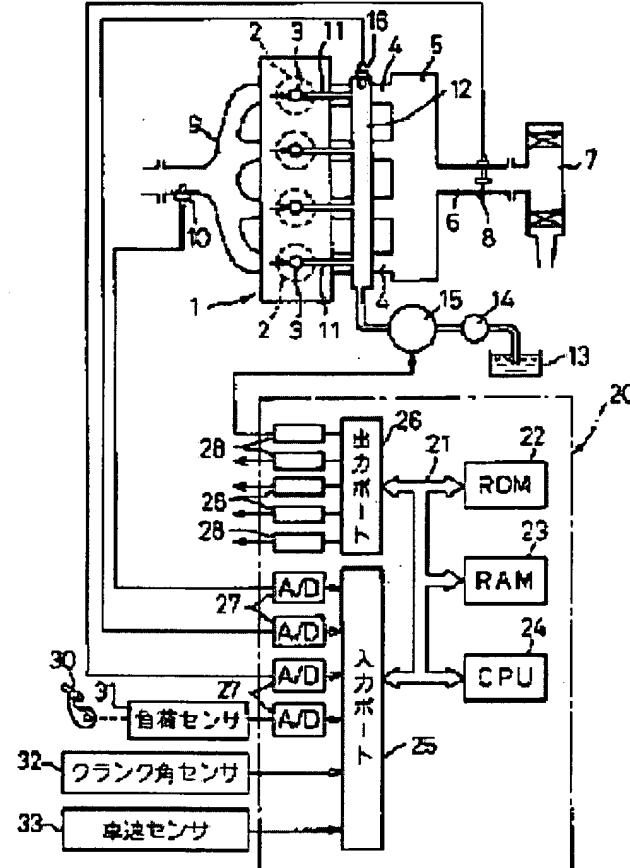
OPERATION CONTROLLER FOR INTERNAL COMBUSTION ENGINE

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Abstract of JP11002148

PROBLEM TO BE SOLVED: To prevent the stop of an engine so that a vehicle can take refuge in a safety place when it is judged that a fuel pressure sensor for detecting the fuel pressure in a common rail is failed, by comprising a control means which controls a number of revolution of an engine for preventing the number of revolution from lowered to be less than a specific number of revolution. **SOLUTION:** The difference of pressure between the fuel pressure before the injection and that after the injection in a common rail, is calculated in ECU 20 during the operation of an engine 1, to judge whether the pressure difference is more than a set value or not. The fuel pressure sensor 16 is judged to be normally operated when the pressure difference is more than the set value, and the feedback control is performed so that the fuel pressure in the common rail 12 is adjusted to be a target fuel pressure on the basis of an output signal of the fuel pressure sensor 16. Then an injection period is calculated from a map, and the fuel injection is performed from each fuel injection valve 3 corresponding to the injection period. On the other hand, when the pressure difference is less than or equal to the set value, and the fuel pressure sensor 16 is judged to be failed, the open loop control is performed on the fuel pressure in the common rail 12.



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